Package : SSON004X1010

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1.Structure and materials

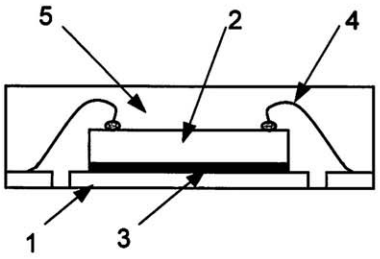

Fig.1 structure

No.	Item	Materials
1	Lead Frame	Cu-Alloy (External lead : Pb free solder plating)
2	Die	Silicon
3	Die Attach	Ag Paste
4	Wire	Au
5	Molding	Epoxy Resin

2.Tape and Reel information

2.1.Packing specification

Tape	Embossed carrier tape
Quantity	See the table on page 4/4
Direction of feed	TL(See Fig.2)

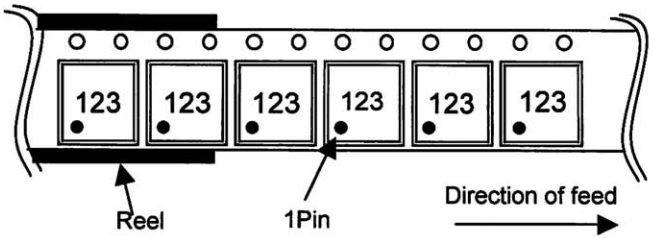

Fig. 2 Typical Tape and Reel configuration

2.2. Tape and Reel specification

2.2.1 Tape and reel dimensions (See the table on page 4／4)

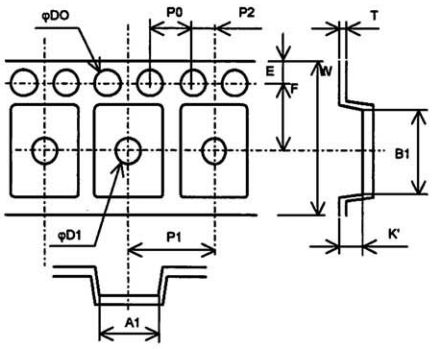

Fig. 3 Tape dimensions

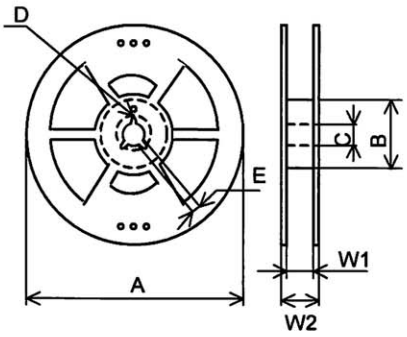

Fig. 4 Reel dimensions

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2.3.Leader and Trailer

2.3.1.Leader

No Component pockets are 25 pockets or more

2.3.2.Trailer

No Component pockets are 10 pockets or more

Tape is free from reel.

2.4.Label for Reel and Box

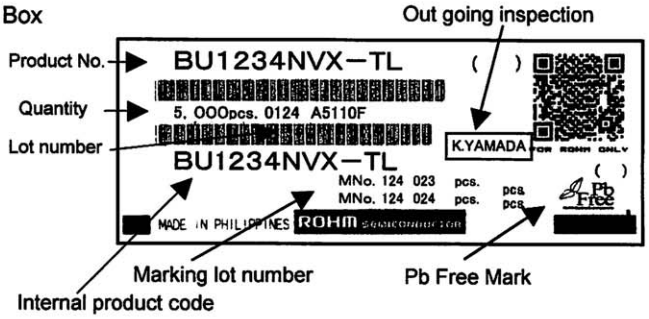


Fig. 5 Label example

2.5.Packing style

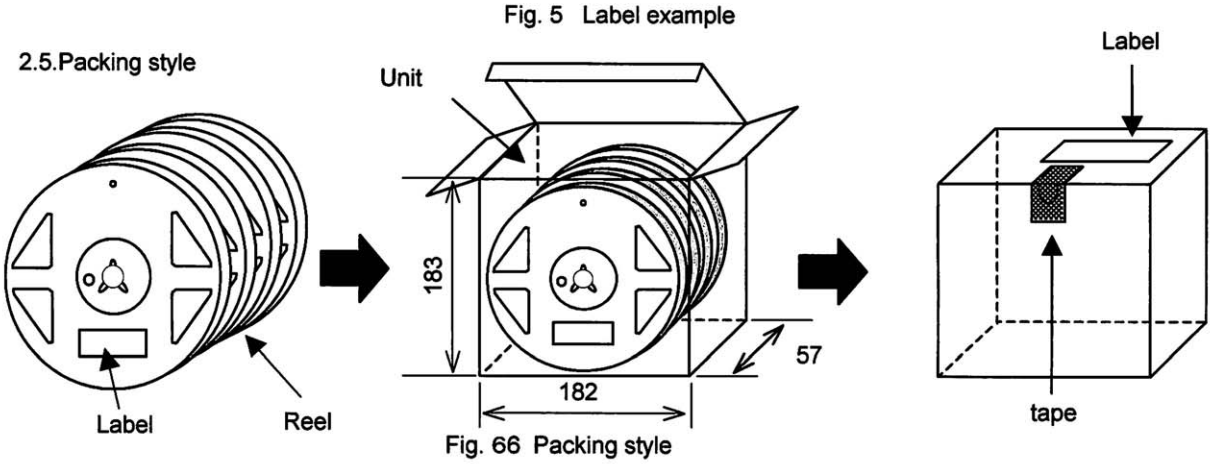
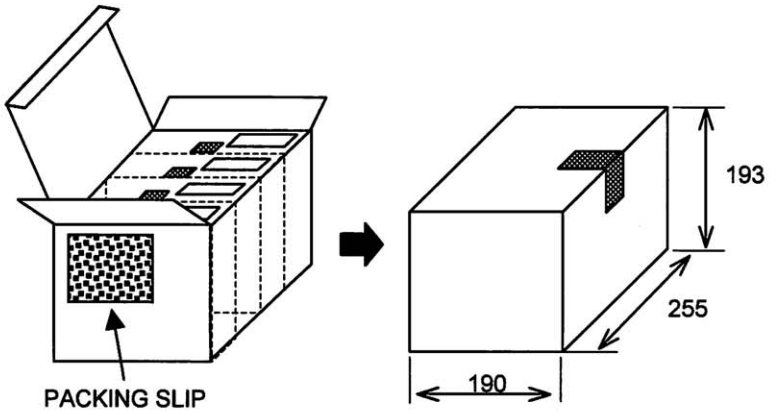


Fig. 66 Packing style

2.6.Shipping style

4 unit boxes or less per shipping box



(all dimensions in mm)

2.7.packing materials

Item	Material
Embossed carrier tape	PS
Cover tape	PET + PE
Reel	PS
Unit box	Cardboard
Shipping box	Cardboard

2.8.Others

2.8.1.Peelback strength

Cover tape peelback strength is0.2to0.7N.

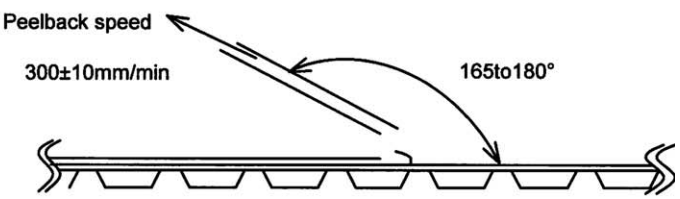


Fig. 8 Test method

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2.8.2.Dropouts

(1)No consecutive dropouts.

(2)Amaximun0.1%of specified number of products in each packing may be missing.

3.Storage conditions

3.1.Storage environment

Recommended storage conditions are as follows:

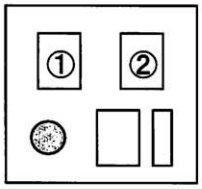
-Temperature : 5to30°C

-Humidity : 40to70%

3. 2. Storage period

-Specified storage period : 1year

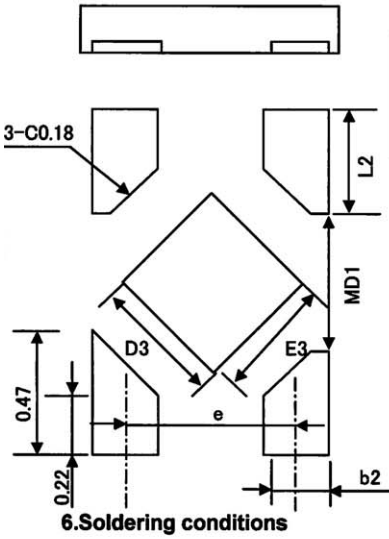
4.Marking lot number



① Production month code

② Production lot number

5. Footprint dimensions (Optimize footprint dimensions to the board design and soldering condition)



(all dimensions in mm)

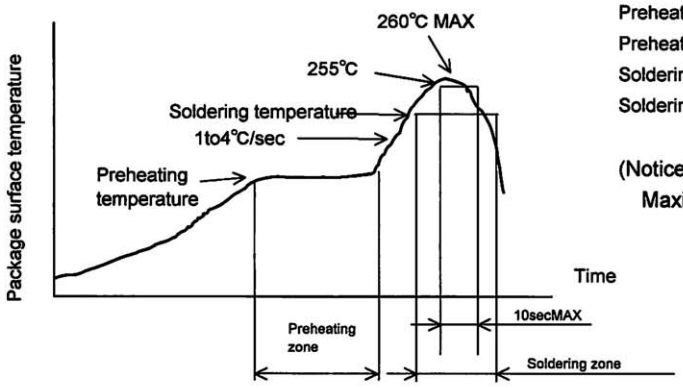
Package	Land pitch	Land		
		space	length	width
	e	MD1	L2	b 2
SSON004X1010	0.65	0.50	0.40	0.25

Package	Radiation land	
	length	width
	D3	E3
SSON004X1010	0.48	0.48

The lead toe and side fillet may not be achieved because of non lead packeges.

6.Soldering conditions

6.1.Recommended temperature profile for reflow



Preheating temperature ; 130℃to190℃

Preheating zone ; 120sec MAX

Soldering temperature ; 220℃to230℃

Soldering zone: ; 60sec MAX

(Notice)

Maximum 2-timessoldering

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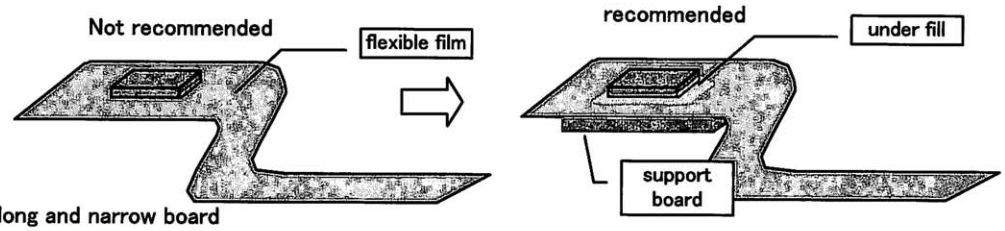
6.2 The wave soldering method is not supported.

6.3 Notice information of board mounting

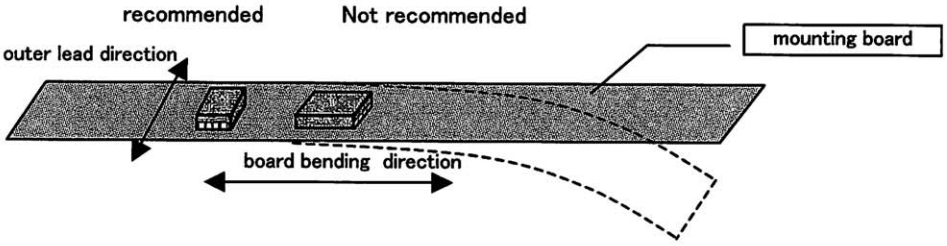
Mounting on flexible film

Mounting on flexible film, film bend may occur lack of lead from package, usage of support board and under fill is recommended.

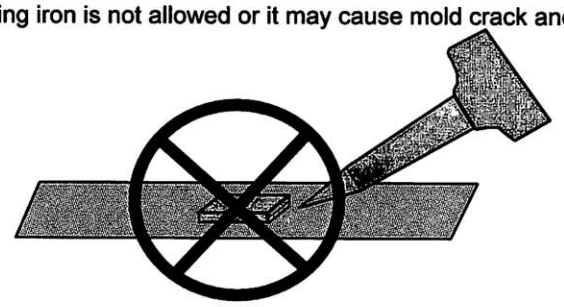


Mounting on long and narrow board

Mounting on long and narrow board, bending stress may occur a luck of lead from package, bending board direction and outer lead direction is recommended as drawing (vertically layout) and under fill usage is recommended.



6.4 Rework by solering iron is not allowed or it may cause mold crack and terminal open.



(Tape dimensions)

Package	Quantity (pcs)	Tape dimensions (all dimensions in mm)													
		A1	B1	C	C1	D0	D1	E	F	K'	P0	P1	P2	T	W
SSON004X1010	5000	1.15 ±0.05	1.15 ±0.05	-	-	Φ1.5 +0.1/-0	Φ0.5 ±0.1	1.75 ±0.1	3.5 ±0.05	0.70 ±0.05	4.0 ±0.1	4.0 ±0.1	2.0 ±0.05	0.25 ±0.05	8.0 ±0.2

(Reel dimensions)

(Dehydrated weight)

Package	Reel dimensions (all dimensions in mm)						
	A	B	C	D	E	W1	W2
SSON004X1010	Φ180	60	13.0	20.2	1.5	9.0	11.4
Tolerance	-	+1/0	±0.2	MIN	MIN	+0.3/0	±1.0

Dehydrated weight (g)
0.002

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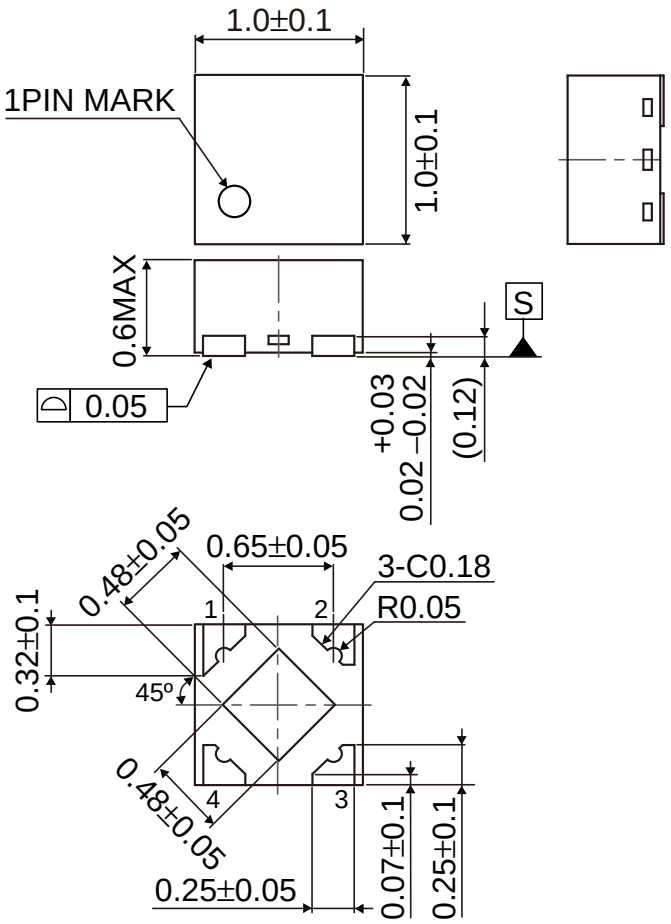
Package Dimensions

SSON004X1010



(Unit : mm)

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